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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,614	03/21/2005	Chee Yu Ng	SG02 0018 US	4038
65913	7590	11/05/2007		
NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131			EXAMINER PHAN, RAYMOND NGAN	
			ART UNIT 2111	PAPER NUMBER
			NOTIFICATION DATE 11/05/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary

Application No.

10/528,614

Applicant(s)

NG ET AL.

Examiner

Raymond Phan

Art Unit

2111

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7 and 8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4,5,7 and 8 is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

Part III DETAILED ACTION

Notice to Applicant(s)

1. This action is responsive to the following communications: RCE and amendment filed on May 9, 2007.
2. This application has been examined. Claims 1-5, 7-8 are pending.

Specification

3. The following is a quotation of the first paragraph of 35 U.S.C. § 112:
The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification is objected to under 35 U.S.C. § 112, first paragraph, as failing to teach or suggest a bus station for use in bus communication system further being arranged to communicate with a further device station coupled to the second port on behalf of said first device station whereby the first device station appears as a host station to the further device station (claim 1).

The disclosure is non-enabling for claim 1 because the limitations recited in the claim 1 were merely hinted as possible modifications to the claimed invention and no circuit diagrams or suggestion were provided to make modifications as hinted. Therefore, undue experimentation is required and the disclosure does not enable a person skilled in the art to make and use the claimed invention.

Claim Rejections - 35 USC § 112

4. Claims 1-3 are rejected under 35 U.S.C. § 112, first paragraph, for the reasons set forth in the objection to the specification.
5. Claims 1-3 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim , using the phrase, "...said second port on behalf of said first device station...", lacks proper antecedent basis and causes the claim to be vague and indefinite.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

7. Claims 1-3 are rejected under 35 U.S.C. § 102(e) as being anticipated by Overtom et al. (US No. 6,732,218).

In regard to claim 1, Overtom et al. disclose a bus station 102 for use in a bus communication system (i.e. USB), comprising a first communication port 202 and a second communication port 204, being arranged to operate in a first mode

upon detection of the presence of a host station 600 coupled to said second port and to operate in a second mode upon detection of the absence of a host station coupled to said second port (see figure 6, col. 5, lines 47-59), said bus station 102 being arranged in said first mode (i.e. port B connected) of operation to pass communication between said host station coupled to said second port 204 and a device station coupled to said first port 202 (see figure 6, col. 5, lines 47-59), said bus station further being arranged to operate as an alternate host station (i.e. 102 as host) in said second mode (i.e. port B is not connected) of operation, by communicating with said device station coupled to said first port according to a communication protocol whereby said bus station initiates communications (see figure 6, col. 5, lines 55-59); to communicate with a further device station coupled to the first port of the bus station, whereby the bus station appears as a host station to the further device station (see col. 4, lines 46-64).

In regard to claim 2, Overtoom et al. disclose wherein said bus station is arranged to operate as a USB transceiver (i.e. normal USB hub) in said first mode (i.e. port B connected) of operation (see figure 7, col. 5, lines 47-55) and to operate as a USB host in said second mode of operation (see figure 7, col. 5, lines 55-59).

In regard to claim 3, Overtoom et al. disclose wherein said bus station further comprises transceiver circuitry 200 coupled to said first and second port for passing communication between said host station coupled to said second port and said device station in said first mode of operation (see figure 6, col. 5, lines 23-32).

Allowable Subject Matter

8. Claims 4-5, 7-8 are allowable over the prior of records.
9. The following is an Examiner's statement of reasons for the indication of allowable subject matter: Claims 4-5 are allowable over the prior art of record

because the prior arts, cited in its entirety, or in combination, do not teach host station driver software being arranged to communicate with a host controller and to pass information to and from the operating system, wherein said system software further comprises host emulation software being arranged to emulate the presence of a host controller towards the host station driver software and the presence of device station driver software towards the device controller, further being arranged to translate communications from the host station driver software to the device controller and vice versa.

Conclusion

10. Claims 1-3 are rejected. Claims 4-5, 7-8 are allowed.
11. The prior arts made of record and not relied upon are considered pertinent to applicant's disclosure.

Dickens et al. (US No. 6,549,966) disclose a data routing device and system.


12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Raymond Phan, whose telephone number is (571) 272-3630. The examiner can normally be reached on Monday-Friday from 6:30AM- 4:00PM. The Group Fax No. 571-273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [raymond.phan@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 central telephone number is (571) 272-2100.


Raymond Phan
Patent Examiner
Tech Center 2100